

Special Issue

Regulation of Apoptosis by the Bcl-2 Family of Proteins

Message from the Guest Editor

The critical step in triggering apoptosis is the permeabilization of the mitochondrial outer membrane (MOMP), which is controlled and executed by the numerous proteins of Bcl-2 family. In spite of the recent advances in solving the structures of the soluble conformations, the exact mechanism of Bcl-2 proteins remains unresolved, primarily because the functionally-important conformations are induced by interactions with the membrane. A major knowledge gap is the lack of accurate molecular pictures of protein–protein and protein–lipid interactions mediating MOMP. This Special Issue seeks reviews and original papers, both experimental and computational, covering a wide range of topics related to structure–function relationships of Bcl-2 proteins, their role in various disorders and their potentials as therapeutic targets.

Guest Editor

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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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